

Technical Data Sheet
CAPILENE® MT 34 EC
 Specialty Polyolefin



Product Description

CAPILENE® MT 34 EC is a special polyolefin designed for high-speed extrusion coating and lamination.

- Features:**
- Good adhesion to substrates
 - High temperature resistance
 - Good organoleptic properties
 - Low neck-in
 - Low coating weight
 - Good moisture barrier

- Uses:**
- Coating paper, paperboard, woven or nonwoven fabrics, plastic films

- Processing Methods:**
- Extrusion coating
 - Lamination

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	25	g/10 min
Density		ISO 1183	0.9	g/cm ³
Mechanical				
Flexural Modulus	(5 mm/min)	ISO 178	1000	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	3	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	126	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	80	°C

*Typical values; not to be construed as specifications.

Typical Extrusion Coating Conditions

CAPILENE® MT 34 EC can be processed by commercial extrusion coating equipment within melt temperature range of 280-330°C.

A standard temperature setting profile for an extrusion coating line with 90 mm extruder screw diameter and 32D screw length would be:

Extruder: 230 – 260 – 280 – 300 – 320°C

Adapter and screen changer: 310°C

Feed block: 310°C

Die-head: 310°C

A nip distance from die to chill-roll of 150 to 220 mm is recommended.

Health, Quality, Regulations and Safety

This product is not classified as dangerous substance. Material safety data sheets, international standards certificates (e.g. ISO 9001) and other regulatory documents are available on our website. Carmel Olefins products have not been tested and therefore not validated for use in pharmaceutical/medical applications, and their suitability for these uses cannot be guaranteed. It is the customer's responsibility to test and approve their technical and regulatory suitability in order to satisfy themselves as to the particular purpose and application(s).

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